

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

ROBERTSSON, et al.

Serial No.: To Be Assigned

Filed:

Herewith

Confirmation No.: Unknown

For:

A METHOD AND

APPARATUS FOR

PROCESSING SEISMIC

DATA

Group Art Unit: Unknown

Examiner:

Unknown

MAIL STOP PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE UNDER 37 CFR 1.10

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited on July _______, 2004 with the United States Postal Service in an envelope as "Express Mail Post Office to Addressee," mailing label No. EV509287622US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

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Signature

PRELIMINARY AMENDMENT

Prior to examination, please amend the above-identified application as follows:

In the claims:

1. A method of processing multi-component seismic data obtained from seismic signals propagating in a medium, the method comprising the steps of: selecting a first portion of the seismic data containing only events arising from critical refraction of seismic energy; and determining a first calibration filter from the first portion of the seismic data, the first calibration filter being to calibrate a first component of the seismic data relative to a second component of the seismic data.